

# CSS



## Leveraging CSS & HTML5 to Enhance Your MadCap Flare Output: Part 1

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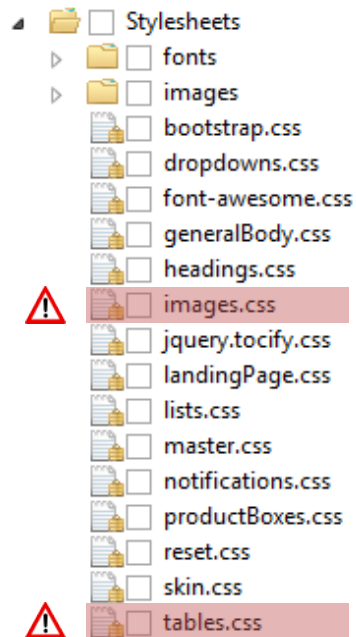


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# What is CSS?

Cascading Style Sheets

# Multiple stylesheets



# Style priority

## 1. Media type declarations

- Such as `@media screen`, `@media print`, or `@media pdf`

## 2. Order of precedence (low-to-high priority):

1. User agent declarations (browser)
2. User normal declarations (user-imported stylesheet – usually via scripting)
3. Author normal declarations (us)
4. Author important declarations (us)
5. User important declarations (user-imported stylesheet – usually via scripting)

# Style priority

## 3. Specificity

- `p` vs. `div p`
- `html body div ul li` vs. `ul li`

## 4. Order specified

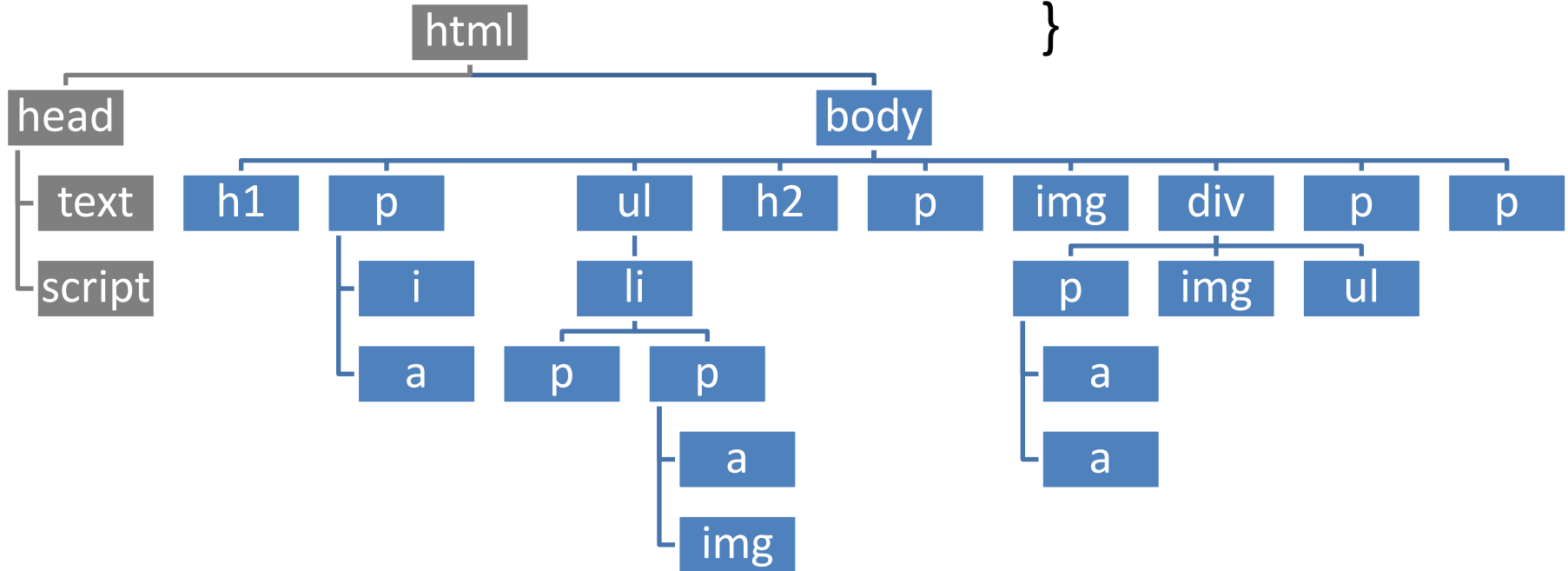
- If two declarations have the same weight, origin, and specificity, the latter specified wins.

# CSS syntax

```
h1, h2, h3, h4 {  
    font-family: Arial;  
    padding: 8px;  
    font-weight: bold;  
    border-bottom: 1px solid black;  
}
```

# CSS – DOM

```
body p {  
  property: value;  
}
```



# Class vs. ID

## Classes (barcode)

- The same class can be used multiple times.
- Every HTML element can have multiple classes.

## IDs (serial number)

- A unique ID can exist only once per HTML document.
- Each HTML element can have only one ID.

They must both be declared in your HTML *markup* and your CSS code.





# Classes and IDs in HTML

Use them as attributes of a given HTML element:

```
<p class="isCompliant">
```

```
    ... such as Chrome or Firefox.
```

```
</p>
```

```
<p id="notCompliant">
```

```
    You should use a standards-compliant browser.
```

```
</p>
```

# Class and ID selectors in CSS

Class:

```
p.isCompliant  
{ background-color: awesome; }
```

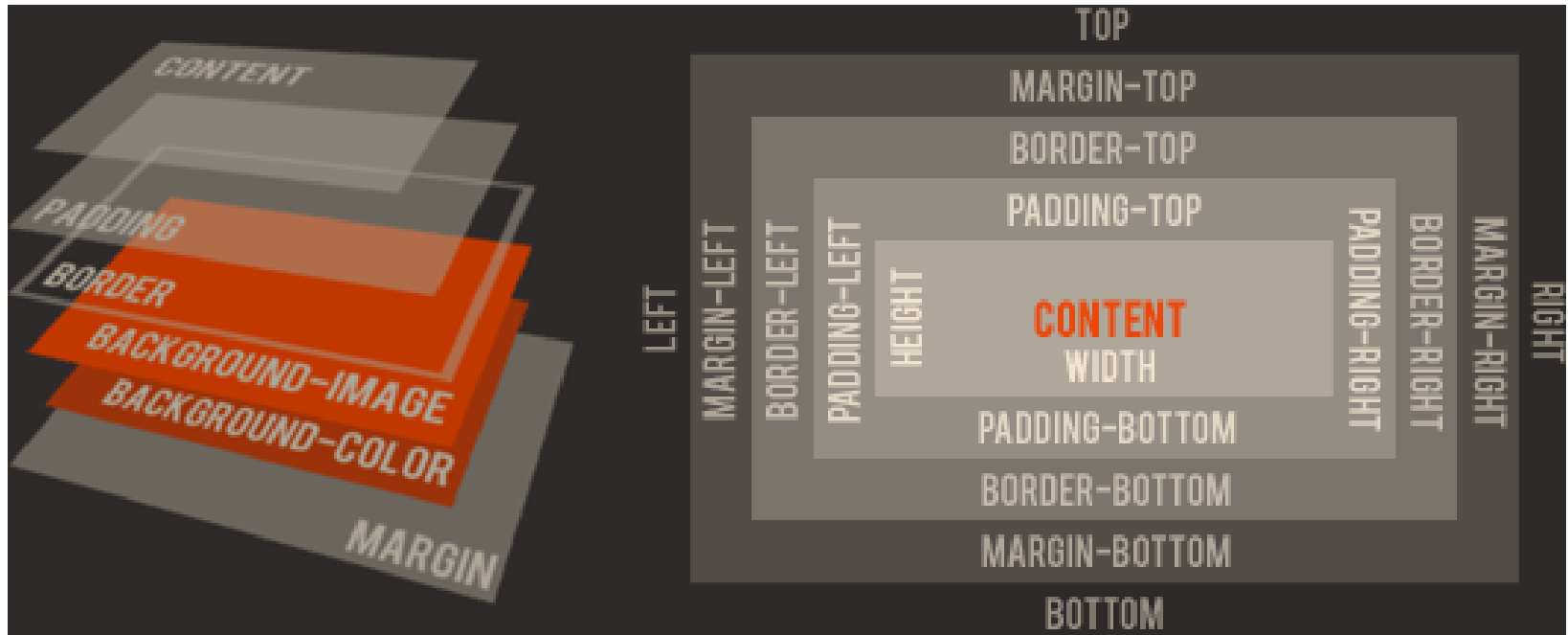
ID:

```
p#notCompliant  
{ background-color: ugly; }
```

# Style Inheritance

Child elements can inherit some property values of their parents.

# CSS box model



# CSS box model

**margin** – moves content in relation to other content

**padding** – moves content in relation to its container

# CSS pseudos

- Pseudo-classes
  - Pseudo-elements
- Pseudo-elements allow you to style certain parts of an element.
- **::after** – Allows you to add and style content after an element.
  - **::before** – Allows you to add and style content before an element.
  - **::first-letter** – Selects the first letter of the first line of a block.

# CSS resources

The W3C

- <http://www.w3.org/TR/css-2010/>
- <http://www.webplatform.org/>

Mozilla Developer Network (MDN):

- <https://developer.mozilla.org/en-US/docs/Web/CSS>
- <https://developer.mozilla.org/en-US/docs/Web/CSS/Reference>

stackoverflow: <http://stackoverflow.com/>

Browser-specific developer tools

- Right-click an element in a page and click “Inspect element”

CSS Zen Garden: <http://csszengarden.com/>

# CSS tutorials

<https://www.codecademy.com/learn/web>

[https://developer.mozilla.org/en-US/docs/Web/Guide/CSS/Getting\\_started](https://developer.mozilla.org/en-US/docs/Web/Guide/CSS/Getting_started)

<https://docs.webplatform.org/wiki/css/tutorials>



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